

Abstract

Turbine casing for a turbocharged internal combustion engine for marine applications with an exhaust manifold that is single-piece formed with the turbine casing, and a cooling facility surrounding both the turbine casing as well as the exhaust manifold. The cooling facility is a hollow space, formed by the double wall that can be filled with coolant, whereby the coolant preferably is ocean/lake water. A separate cooling circuit from the cooling facility of the combined turbine casing and exhaust manifold is provided for the cooling of a bearing housing, which is used to support a turbine bearing.

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